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**MicroPatent® MPI Legal Status Report (Single Patent)**

**1. JP10182383A 19980707 COMPOSITION FOR ORAL CAVITY**  
**Assignee/Applicant:** LION CORP  
**Inventor(s) :** IWATA MASAOKI ; MINEMOTO ISAO  
**Priority (No,Kind,Date) :** JP35575896 A 19961224 X  
**Application(No,Kind,Date):** JP35575896 A 19961224  
**IPC:** 6A 61K 7/16 A  
**Language of Document:** NotAvailable  
**Abstract:**

**PROBLEM TO BE SOLVED:** To obtain the subject composition which possesses high antimicrobial activity for bacteria forming dental plaque and is excellent in the repressive activity for formation of hydroxyapatite crystals by allowing the composition to contain phytic acid (water-soluble salt) and a noncationic antimicrobial substance.

**SOLUTION:** This composition for an oral cavity containing in preparations such as dentifrice, mouth- washing agent, refrigerant in mount, tablet for gargling, detergent for denture and chewing gum is obtained by formulating (A) preferably 0.01-10wt.% of phytic acid (water- soluble salt) of the formula (M is H and a cation derived from an alkali metal or an amine) with (B) 0.01-5wt.% of a noncationic antimicrobial substance such as halogenized diphenyl ether, halogenized salicylanilide, benzoic ester, halogenized carbanilide and phenol and, when necessary, (C) 0.1-3 moles of magnesium ion-supplying substance (e.g. magnesium chloride) based on the A component and when necessary, adding (D) a component widely used.

**Legal Status:** There is no Legal Status information available for this patent

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**2. JP11158052A 19990615 COMPOSITION FOR ORAL CAVITY**  
**Assignee/Applicant:** LION CORP  
**Inventor(s) :** IWATA MASAOKI ; MINEMOTO ISAO  
**Priority (No,Kind,Date) :** JP34446997 A 19971128 X  
**Application(No,Kind,Date):** JP34446997 A 19971128  
**IPC:** 6A 61K 7/16 A  
**Language of Document:** NotAvailable  
**Abstract:**

**PROBLEM TO BE SOLVED:** To obtain the subject composition having an excellent tartar-preventing effect and high safety by including a non- cationic antibacterial substance and a polycarboxylic acid (salt) derived from a polysaccharide comprising anhydrous glucose molecules as constituting units.

**SOLUTION:** This composition for oral cavities comprises (A) a polycarboxylic acid derived from a polysaccharide comprising anhydrous glucose molecules as constituting units and preferably having a weight-average mol.wt. of 1,000-100,000 or its salt and (B) a non-cationic antibacterial substance [for example, 2,4, 4'- trichloro-2-hydroxydiphenyl ether (triclosan)]. The components A and B are preferably contained in amounts of 0.01-10 wt.% and 0.01-5 wt.% in the composition. The component A especially has an activity to inhibit the production of hydroxyapatite, and the component B

exhibits a strong antibacterial activity against oral bacteria forming dental plaques which are the precursors of tartar.

**Legal Status:** There is no Legal Status information available for this patent

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**3. JP200004422A 20000215 COATING COMPOSITION FOR TOOTH AND ITS PRODUCTION**

**Assignee/Applicant:** OKA HIRONORI

**Inventor(s) :** OKA HIRONORI

**Priority (No,Kind,Date) :** JP25031498 A 19980731 X

**Application(No,Kind,Date):** JP25031498 A 19980731

**IPC:** 7A 61K 6/00 A

**Language of Document:** NotAvailable

**Abstract:**

**PROBLEM TO BE SOLVED:** To obtain a composition for coating teeth, instantly curing in the oral cavity, providing a coating film of small thickness having antimicrobial activity itself.

**SOLUTION:** This coating composition is obtained by dissolving 10-100 pts.wt. of a shellac in 100 pts.wt. of  $\geq 50\%$  ethyl alcohol solution to give a solution of shellac in alcohol and dissolving one or two of 0.001-30 pts.wt. of a basic amino acid and 0.001-30 pts.wt. of a pH adjuster in the solution and can provide a surface having lost tack immediately after curing and showing a lubricant sensation.

**Legal Status:** There is no Legal Status information available for this patent

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**4. JP1305021A 19891208 COMPOSITION FOR ORAL CAVITY**

**Assignee/Applicant:** LION CORP

**Inventor(s) :** YAMAMOTO MIZUYA ; TOKUMITSU FUMIHIKO ; SAKAMOTO TOYOKO

**Priority (No,Kind,Date) :** JP13656688 A 19880602 X

**Application(No,Kind,Date):** JP13656688 A 19880602

**IPC:** 4A 61K 7/16 A

**Language of Document:** NotAvailable

**Abstract:**

**PURPOSE:** To obtain a composition for oral cavity containing a specific water insoluble active ingredient and anion surfactant and housed in a container using a specific acrylonitrile copolymer as the inmost layer and prevented in lowering of secular residual ratio of the active ingredient.

**CONSTITUTION:** The composition for oral cavity containing at least one kind selected from 0.1-5% anionic surfactant, 0.01-2% tocopherol and derivative thereof, 0.001-5%  $\alpha$ -bisabolol, 0.001-1% glycyrrhizinate and derivative thereof, 0.001-1% cholesterol, 0.001-1% hydroxamic acid and derivative thereof, 0.005-1% isopropyl methylphenols and 0.001-1% hinokitiol and housed in a container using a acrylonitrile copolymer obtained by polymerizing a mixture of nitrile expressed by formula I (R is H, alkyl or halogen) and ester expressed by formula II (R' is alkyl) with a copolymer of butadiene and/or isoprene and nitrile expressed by formula I as the inmost layer.

**Legal Status:** There is no Legal Status information available for this patent

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**5. JP2069411A 19900308 COSMETIC COMPOSITION**

**Assignee/Applicant:** LION CORP

**Inventor(s)** : YAMAMOTO MIZUYA ; TOKUMITSU FUMIHIKO ; SAKAMOTO TOYOKO  
**Priority (No,Kind,Date)** : JP22157288 A ::: 19880905  
**Application(No,Kind,Date)**: JP22157288 A 19880905  
**IPC**: B65D03504  
**Language of Document**: NotAvailable  
**Abstract**:

**PURPOSE**: To obtain a cosmetic composition useful for dentifrice, etc., preventing reduction in residual ratio of active ingredient with time, containing an anionic surfactant, a tocopherol,  $\alpha$ -bisabolol, glycyrrhizic acid, etc., packed in a specific container.

**CONSTITUTION**: One or more of water-insoluble active ingredient of an anionic surfactant (e.g., sodium lauryl sulfate), a tocopherol or a derivative thereof,  $\alpha$ - bisabolol, glycyrrhizic acid or a derivative thereof ( $\beta$ -glycyrrhizic acid), cholesterol or a derivative thereof, hydroxamic acid or a derivative thereof, isopropylmethylphenol and hinokitiol are packed into a container comprising the innermost layer of barrel part and shoulder part made of a high-density polyethylene, polypropylene and low- density polyethylene crosslinked with a metal (e.g., Mg or Zn). The use of the container can prevent adsorption and absorption of the active ingredient in the container.  
**Legal Status**: There is no Legal Status information available for this patent

#### 6. JP8003074A

**19960109 LIQUID COMPOSITION FOR MOUTH**  
**Assignee/Applicant**: SUNSTAR INC  
**Inventor(s)** : OKUMURA KENJI ; OTSUKI HIDEHIKO ; SAITO TORU  
**Priority (No,Kind,Date)** : JP13860994 A 19940621 X  
**Application(No,Kind,Date)**: JP13860994 A 19940621  
**IPC**: 6A 61K 47/36 A  
**Language of Document**: NotAvailable  
**Abstract**:

**PURPOSE**: To obtain a liquid composition for mouth excellent in safety in mixing of gellan gum and intraoral residence of an active component and useful for a mouth wash, a tooth liquid, a mouth spray, etc. , by blending gellan gum with a nonionic surfactant.

**CONSTITUTION**: This liquid composition contains (A) gellan gum and (B) a non ionic surfactant such as a sucrose fatty acid ester, a polyoxyethylenesorbitan fatty acid ester, a polyoxyethylene-polyoxypropylene copolymer or a polyoxyethylene-hardened castor oil. In this composition, the concentrations of the components (A) and (B) are respectively 0.01 to 0. 5wt.% and 0.05 to 5.0wt.% and an anti-inflammatory drug, a blood flow promoter, a fluoride, a germicide, etc., are used as the active component.

**Legal Status**: There is no Legal Status information available for this patent